

Title (en)

Method for testing a temperature sensor with at least two temperature-sensitive resistances

Title (de)

Verfahren zur Überprüfung eines Temperatursensors mit mindestens zwei temperatursensitiven Widerständen

Title (fr)

Procédé destiné à la vérification d'un capteur de température doté d'au moins deux résistances sensibles à la température

Publication

EP 1879005 B1 20100825 (DE)

Application

EP 07033505 A 20070706

Priority

- DE 102006032169 A 20060712
- AT 20802006 A 20061218

Abstract (en)

The method involves connecting temperature sensitive resistor (R1) with a low-impedance series resistor (Rshunt1) over a switching device (5) when another temperature sensitive resistor (R2) is connected with a high-impedance series resistor (R4) over another switching device (6). A voltage drop at the temperature sensitive resistors or its series resistors (Rshunt1, R4) is detected. Temperatures of the temperature sensitive resistors, and difference between the temperatures, are determined. An error signal is issued when the temperature difference exceeds a given value.

IPC 8 full level

G01K 15/00 (2006.01)

CPC (source: EP)

G01K 15/00 (2013.01)

Cited by

CN102252781A; FR2972254A1; WO2013017569A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1879005 A1 20080116; EP 1879005 B1 20100825; AT E479083 T1 20100915; DE 502007004839 D1 20101007; PL 1879005 T3 20110228

DOCDB simple family (application)

EP 07033505 A 20070706; AT 07033505 T 20070706; DE 502007004839 T 20070706; PL 07033505 T 20070706